

Amendments to the Specification:

Please replace the last paragraph on Page 1, line 16, with the following rewritten paragraph:

One particular example of a novel magnetic resonance system of the present invention is capable of simultaneously tracking the positions of multiple tracking coils, which may be provided on one or more medical devices. As an example, catheter devices having a large number of independent tracking coils have been constructed, in which each coil has a direct connection to one of at least the same number of receivers in the magnetic resonance system.

Please replace the last two paragraphs on Page 3 with the following rewritten paragraphs, and add a 4th figure description paragraph to the bottom of Page 3:

Figure 2 is an enlarged partial cross-section view of a portion of the magnetic resonance catheter of Figure 1; ~~[[and]]~~

Figure 3 is a depiction of a magnetic resonance catheter having multiple tracking coils and a test object, viewed using a magnetic resonance system ~~[[.]]~~ ; and

Figure 4 is a depiction of a magnetic resonance system.

Please replace the last paragraph on Page 5, line 19, with the following rewritten paragraph:

The magnetic resonance tracking systems of the present invention can track multiple devices simultaneously, as long as the total number of tracking coils on the medical devices does not exceed the total number of receivers in the magnetic resonance system. The method can acquire full three-dimensional coordinates for each coil at frame rates up to twenty-four positions per second or faster with minimal or no latency.